

**CLAIMS:**

- 1. A light bulb comprising:**
  - (a) a board supporting at least one light emitting diode (LED);
  - (b) a base housing; and
  - (e) a heat sink housing configured to be secured to said base housing at a first end of said heat sink housing and configured to receive said board at a second end of said heat sink housing, opposite to said first end of said heat sink housing, said heat sink housing further configured to have sufficient thermal mass to act as a heat sink.
- 2. A light bulb according to claim 1, further comprising:**
  - (d) a power supply sub-assembly configured to fit into said base housing and to provide power to said at least one LED on said board.
- 3. A light bulb according to claim 1, further comprising:**
  - (d) a lens to fit over said board and to connect to said heat sink housing at said second end of said heat sink housing.
- 4. A light bulb according to claim 2, further comprising:**
  - (e) a lens to fit over said board and to connect to said heat sink housing at said second end of said heat sink housing.
- 5. A light bulb according to claim 1, wherein said at least one LED includes plural LEDs mounted on said board.**
- 6. A light bulb according to claim 2, wherein said at least one LED includes plural LEDs mounted on said board.**
- 7. A light bulb according to claim 3, wherein said lens is made of plastic.**
- 8. A light bulb according to claim 4, wherein said lens is made of plastic.**
- 9. A light bulb comprising:**
  - (a) means for supporting at least one light emitting diode (LED);

(b) first means for housing said means for supporting; and  
(e) second means for housing to be secured to said first means for housing at a first end of said second means for housing and for receiving said means for supporting at a second end of said second means for housing, opposite to said first end of said second means for housing, said second means for housing further configured to have sufficient thermal mass to act as a heat sink.

10. A light bulb according to claim 9, further comprising:

(d) means to fit into said first means for housing and for providing power to said at least one LED on said means for supporting.

11. A light bulb according to claim 9, further comprising:

(d) light output means for fitting over said means for supporting and to connect to said second means for housing at said second end of said second means for housing.

12. A light bulb according to claim 10, further comprising:

(e) light output means for fitting over said means for supporting and to connect to said second means for housing at said second end of said second means for housing.

13. A light bulb according to claim 9, wherein said at least one LED includes plural LEDs mounted on said means for supporting.

14. A light bulb according to claim 10, wherein said at least one LED includes plural LEDs mounted on said means for supporting.

15. A light bulb according to claim 11, wherein said light output means is made of plastic.

16. A light bulb according to claim 12, wherein said light output means is made of plastic.